

Shinkong Synthetic Fibers Shinite® PP4410 PP, Fire Retardant

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

Material Notes:

Information from Shinkong Synthetic Fibers Corp.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shinkong-Synthetic-Fibers-Shinite-PP4410-PP-Fire-Retardant.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	ASTM D792
Water Absorption	0.050 %	0.050 %	ASTM D570
Linear Mold Shrinkage, Flow	0.014 - 0.016 cm/cm	0.014 - 0.016 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.014 - 0.016 cm/cm	0.014 - 0.016 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	29.4 MPa	4270 psi	ASTM D638
Elongation at Break	12 %	12 %	ASTM D638
Flexural Yield Strength	34.3 MPa	4980 psi	ASTM D790
Flexural Modulus	1.08 GPa	156 ksi	ASTM D790
Izod Impact, Notched	0.883 J/cm @Thickness 3.17 mm, Temperature 23.0 Å°C	1.65 ft-lb/in @Thickness 0.125 in, Temperature 73.4 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	110 Å°C	230 Å°F	ASTM D648
Flammability, UL94	HB	HB	

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